

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"19609703"	EPO; JPO; DERWENT	OR	OFF	2009/01/23 10:02
S2	1	"4160849".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 10:37
S3	1	"5248515".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 10:40
S4	1	"4089985".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 10:50
S5	1	"5248515".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 10:50
S6	1	"3892877".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 10:51
S7	1	"4737367".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 10:51
S8	21	("3366488"   "3366489"   "3366490").PN. OR ("3892877").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 10:56
S9	3322	ultrasonic and viscosity and (fruit or vegetable or tomato)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 10:59
S10	27	ultrasonic and viscosity and (fruit or vegetable or tomato) and sonotrode	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 10:59
S11	223	ultrasonic and viscosity and (fruit or vegetable or tomato) and (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 11:09
S12	369	ultrasonic and (viscosity or thickness) and (fruit or vegetable or tomato) and (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 11:09
S14	2	"2598374".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 11:30
S15	303	426/ 238.cds.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/23 12:13
S16	392	ultrasonic\$5 and (viscosity or thickness) and (fruit or vegetable or tomato) and (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/26 13:01

S17	1	"6386748".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/26 17:53
S18	1	"5426341".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/26 17:55
S19	962	99/451.ccls	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/30 12:09
S20	4	99/451.ccls and sonotrode	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/30 12:09
S21	26	{"3743523"   "3771434"   "3896716"   "3997145"   "4141655"   "4160002"   "4667699"   "4738302"   "4838154"   "5105724"   "5235905"   "5395592").PN. OR ("5531157").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/30 12:38
S22	26	99/451.ccls. and (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/30 12:45
S23	1	"4145390".pn.	USPAT	OR	OFF	2009/02/03 08:44
S24	12531	tomato and fruit	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/03 08:55
S25	1845	tomato near3 fruit	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/03 08:55
S26	77	tomato near3 type near3 fruit	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/03 08:55
S27	21	{"3366488"   "3366489"   "3366490").PN. OR ("3892877").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/03 09:01
S28	204	vegetable near3 (puree or pureed)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/03 14:22
S29	0	"311".clas. and (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:07
S30	0	"311".clas. and ultra \$1sonic and wave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:08
S31	0	"311".clas. and ultra \$1sonic and energy	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:08
S32	0	"311".clas	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:08
S33	1054	"310".clas and (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:08
S34	1	"310".clas and (sonotrode or horn) and (fruit or vegetable or tomato)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:09

S35	303	"310".clas. and (sonotrode or horn) and (liquid or food or food\$1stuff or fruit or vegetable or tomato)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:09
S36	17	"310".clas. and (sonotrode) and (liquid or food or food\$1stuff or fruit or vegetable or tomato)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:10
S37	26	("3743523"   "3771434"   "3896716"   "3997145"   "4141655"   "4160002"   "4667699"   "4738302"   "4838154"   "5105724"   "5235905"   "5395592").PN. OR ("5531157").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:15
S38	1	"5426341".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:23
S39	21	("3015961"   "3058218"   "3209447"   "3696259"   "3926357"   "4088257"   "4596352"   "4842671"   "5159838"   "5238170").PN. OR ("5426341").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 10:26
S40	41	("3131515"   "3139101"   "3173034"   "3331589"   "3368085"   "3394274"   "3495104"   "3524085"   "4173725"   "4615984").PN. OR ("4691724").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 12:21
S41	890	426/519.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 12:54
S42	329	426/519.ccls. and (fruit or vegetable or tomato)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 13:13
S43	5	("20050031499"   "4651043"   "6776323"   "7163442"   "RE28642").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 13:20
S44	34	("4016436"   "4537511").PN. OR ("5994818").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 13:23

S45	16	426/519.ccls. and (fruit or vegetable or tomato) and ultrasonic \$5	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 14:05
S46	4	ultrasonic and (viscosity or thickness) and (fruit or vegetable or tomato) and (sonotrode or horn)	EPO; JPO; DERWENT	OR	OFF	2009/02/04 14:14
S47	19	ultrasonic\$5 and (fruit or vegetable or tomato) and (sonotrode or horn)	EPO; JPO; DERWENT	OR	OFF	2009/02/04 14:15
S48	698	ultrasonic\$5 and (food or food\$1stuff or liquid or paste or puree or fruit or vegetable or tomato) and (sonotrode or horn)	EPO; JPO; DERWENT	OR	OFF	2009/02/04 14:18
S49	21071	(energy near3 intensity) or (power near3 density) near (Watts near3 centimeter) near (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 14:46
S50	4721	(energy adj intensity) or (power adj density) near (Watts adj centimeter) near (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 14:46
S51	275419	(energy adj intensity) or (power adj density) or (Watts\$2centimeter) or (W near2 volume or liters) or (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 14:48
S52	40	tomato with (ketchup or catsup or katsup) with (brix or sugar)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 14:50
S53	113	tomato with (puree or ketchup or catsup or katsup) with (brix or sugar)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 15:18
S54	77	(tomato) with (puree) with (brix or sugar)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 15:18

S55	41	("3131515"   "3139101"   "3173034"   "3331589"   "3368085"   "3394274"   "3495104"   "3524085"   "4173725"   "4615984").PN. OR ("4691724").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 16:16
S56	0	(radial\$2 or perpendicular) near (emit\$4 or release) near (sonotrode or probe or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 16:22
S57	218	(radial\$2 or perpendicular) near (sonotrode or probe or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 16:23
S58	317	pressure near (sonotrode or probe or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 16:35
S59	13	(radial\$2 or perpendicular) near (ultrasonic\$5 near (sonotrode or probe or horn))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 16:53
S60	0	(radial\$2 or perpendicular) near (wave or enery) near ultrasonic\$5 near (sonotrode or probe or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 16:54
S61	153	(radial\$2 or perpendicular) with (wave or enery) with ultrasonic\$5 with (sonotrode or probe or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 16:55
S62	5	("20050031499"   "4651043"   "6776323"   "7163442"   "RE28642").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 08:26
S63	1	"4016436".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 08:34
S64	95	homogeniz\$5 with (pressure or overpressure) with (fruit or tomato or vegetable)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 08:59
S65	577	(vegetable or tomato) near3 (puree or pureed)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 09:09

S66	0	(vegetable or tomato) near3 (puree or pureed) near (pressure or atm\$8 or bar or psi)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 09:15
S67	5	tomato with (puree or ketchup or catsup or katsup) with (pressure)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 09:16
S68	6	("2557050"   "3976805"   "4556576"   "5011701"   "5232726").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 09:17
S69	12	("3366490").PN. OR ("3976805").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 09:28
S70	992	tomato with (puree or ketchup or catsup or katsup)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 09:37
S71	2	tomato near (brix or percent) near sugar	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 11:24
S72	0	fruit near brix near sugar near (viscosity or thickness or consistency)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 16:33
S73	4	(fruit or tomato or vegetable or ketchup or catsup or puree or sauce) with brix with sugar with (viscosity or thickness or consistency)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 16:34
S74	13	(fruit or tomato or vegetable or ketchup or catsup or puree or sauce) with sugar with (viscosity or thickness or consistency) with stabiliz\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 16:49
S75	0	(fruit or tomato or vegetable or ketchup or catsup or puree or sauce) near sugar near (stabiliz\$5 near (viscosity or thickness or consistency))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 16:51
S76	231	overpressure and (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 18:02
S77	0	overpressure near (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 18:02
S78	8	overpressure with (sonotrode or horn)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 18:02

S79	26	("3743523"   "3771434"   "3896716"   "3997145"   "4141655"   "4160002"   "4667699"   "4738302"   "4838154"   "5105724"   "5235905"   "5395592").PN. OR ("5531157").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 18:03
S80	24	puree with (fruit or vegetable or tomato) with (pressure)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/05 18:13

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